

Recovery Plan Action Status

Plan Name: Western Prairie Fringed Orchid

Plan Status: Final

Plan Date: 30-Sep-96

Lead Agency: USFWS

Lead Office: Twin Cities Ecological Services Field Office

(612)

725-3548)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Western prairie fringed Orchid (Platanthera praeclara)	2	111	Within ecoregion 251A, maintain protective management of all sites presently owned by public agencies or conservation organizations and secure protective management at privately-owned sites collectively harboring a total of at least 626 plants. This criterion can be met by protecting any of several different combinations of MN and ND populations.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Natural Resources Conservation Service , North Dakota State Agencies, Minnesota State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Management Techniques	Contract, Graduate Student, Internal Administrative, Internal Technical Assistance, Species Expert	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.
Western prairie fringed Orchid (Platanthera praeclara)	2	112	In ecoregion 251B, maintain protective management of all sites presently owned by public agencies or conservations organizations and secure protective management at privately-owned sites collectively harboring a total of 12 or more additional plants. This criterion can be met by protecting any one of the 3 largest remaining unprotected IA populations.	Complete	FY 1995 - FY 1999	FY 2006	U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Natural Resources Conservation Service , Iowa State agencies, Minnesota State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Acquisition: General, Acquisition: Management Agreement, Management: General, Research: Population Surveys	Contract, Internal Administrative, Internal Technical Assistance, Species Expert, Volunteer	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.

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Western prairie fringed Orchid (Platanthera praeclara)	2	113	Within ecoregion 251C, maintain protective management of all sites presently owned by public agencies or conservation organizations and secure protective management at privately-owned sites harboring an additional 245 plants. This criterion can only be met by protecting the three largest remaining unprotected IA populations and the largest remaining unprotected NE population.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Natural Resources Conservation Service , Nebraska State Agencies, Iowa State agencies, Kansas State agencies, Missouri State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Acquisition: General, Management: General, Research: Management Techniques	Species Expert	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.
Western prairie fringed Orchid (Platanthera praeclara)	2	114	Within ecoregion 251E, secure protective management at the largest remaining unprotected KS population.	Obsolete			U.S. Fish and Wildlife Service, The Nature Conservancy, Natural Resources Conservation Service , Kansas State agencies, U.S. Fish and Wildlife Service - Realty, Refuges, Endangered Species	Work type not yet selected	Labor type not yet selected	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.
Western prairie fringed Orchid (Platanthera praeclara)	2	115	Within ecoregion 251G, maintain protective management of all sites presently owned by public agencies or conservation organizations.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, The Nature Conservancy, Natural Resources Conservation Service , Nebraska State Agencies, U.S. Fish and Wildlife Service - Realty, Refuges, Endangered Species	Management: General	Labor type not yet selected	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.

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Western prairie fringed Orchid (Platanthera praeclara)	2	116	Within ecoregion 222M, enhance populations presently in the ownership of public agencies and/or conservation organizations.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, The Nature Conservancy, Natural Resources Conservation Service , Iowa State agencies, Minnesota State agencies	Management: General	Species Expert	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.
Western prairie fringed Orchid (Platanthera praeclara)	2	117	Within ecoregion 332C, maintain protective management of all sites presently owned by public agencies or conservation organizations and secure protective management at privately-owned sites harboring an additional 26 plants. This criterion can be met by protecting any combination of the largest three remaining unprotected NE populations.	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, The Nature Conservancy, Natural Resources Conservation Service , Nebraska State Agencies, U.S. Fish and Wildlife Service - Realty, Refuges, Endangered Species	Acquisition	Internal Administrative	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.
Western prairie fringed Orchid (Platanthera praeclara)	2	118	Within ecoregion 332E, where the sole population is in the ownership of a single conservation organization, maintain protective management, including maintenance of appropriate hydrologic regime.	Unknown			International Crane Foundation, U.S. Fish and Wildlife Service, The Nature Conservancy, Natural Resources Conservation Service , Nebraska State Agencies, U.S. Fish and Wildlife Service - Realty, Refuges, Endangered Species	Work type not yet selected	Labor type not yet selected	Overall cost for tasks 111 through 117 is indeterminable, but exceeds \$1,200,000 rangewide.

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Western prairie fringed Orchid (Platanthera praeclara)	2	21	Insure compliance with all laws and regulations protecting P. praeclara.	Unknown			U.S. Department of Transportation, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Environmental Protection Agency , State Department of Agriculture, State Departments of Transportation, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Conducted with existing funds.
Western prairie fringed Orchid (Platanthera praeclara)	2	22	Develop and implement new laws for the protection of P. praeclara in those states not now offering statutory protection.	Unknown			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	31	Develop or maintain appropriate burning regimes.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Department of Agriculture, Private owners of plant sites, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species, Counties	Management: Habitat Maintenance and Manipulation, Other: Information and Education, Research: Management Techniques	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	32	Develop or maintain appropriate grazing regime.	Ongoing Current	FY 1995 - FY 1999		International Crane Foundation, U.S. Department of Agriculture, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Private owners of plant sites, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Management: Land Use, Research: Management Techniques, Research: Other Information, Research: Population Surveys	Graduate Student, Internal Technical Assistance	Assumes some income to offset costs. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	33	Develop or maintain appropriate mowing regime.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, Shyenenne Valley Grazing Association, Private owners of plant sites, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Management Techniques	Contract, Species Expert	Assumes some income to offset costs. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	34	Develop and maintain appropriate noxious weed control practices.	Ongoing Current	FY 1995 - FY 1999		USDA Animal and Plant Health Inspection Service, U.S. Department of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Natural Resources Conservation Service, Private owners of plant sites, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species, Counties	Management: Land Use, Management: Planning, Management: Predator and Competitor Control, Research: Environmental Contaminants	Graduate Student, Species Expert	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	35	Develop and implement pesticide management plans.	Ongoing Current	FY 1995 - FY 1999		U.S. Department of Agriculture, National Park Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Environmental Protection Agency, Shenyenne Valley Grazing Association, Private owners of plant sites, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Other: Information and Education, Other: Law Enforcement	Internal Technical Assistance, Species Expert	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	36	Develop and implement hydrologic guidelines.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Geological Survey, U.S. Forest Service, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species, Counties	Research: Habitat Requirements	Contract	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	37	Use direct seeding, artificial pollination, and/or artificial propagation, as appropriate in ecoregions 222M and 251E.	Not Started			U.S. Fish and Wildlife Service, The Nature Conservancy, Iowa State agencies, Kansas State agencies, Threatened and Endangered Species Program of FWS	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4111	Determine appropriate fire regimes.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, State Department of Agriculture, Minnesota State agencies, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Population Surveys	Internal Technical Assistance	\$40,000/yr. for 10 years. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4112	Determine appropriate grazing regimes.	Ongoing Current	FY 1995 - FY 1999		U.S. Department of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, North Dakota State Agencies, Agricultural Research Stations, State Department of Agriculture, Minnesota State agencies, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Management: Land Use	Graduate Student	\$40,000/yr. for 10 years. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	4113	Determine appropriate mowing regimes.	Ongoing Current	FY 1995 - FY 1999		U.S. Department of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, Nebraska State Agencies, North Dakota State Agencies, State Department of Agriculture, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Management Techniques	Contract	\$40,000/yr. for 10 years. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4114	Determine appropriate methods of noxious weed control on plants.	Ongoing Not Current	FY 1995 - FY 1999		USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, Environmental Protection Agency , Agricultural Research Stations, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Management Techniques	Graduate Student	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	4115	Determine effects of pesticides on plants.	Ongoing Not Current	FY 1995 - FY 1999		USDA Animal and Plant Health Inspection Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, Environmental Protection Agency , Agricultural Research Stations, Chemical industry, State Department of Agriculture, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Management Techniques	Graduate Student	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4211	Determine the role of soil disturbance.	Not Started			U.S. Department of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, State Department of Agriculture, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Mainly concurrent with other research. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4212	Determine the role of groundwater hydrology.	Unknown			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Geological Survey, U.S. Forest Service, Universities, State geological survey, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	2	4221	Identify principal pollinator(s) and their biology.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Other Information	Graduate Student	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	4222	Develop propagation methods.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Universities, Center for Plant Conservation, International Union for the Conservation of Nature , Orchid and Native Plant Society, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Propagation	Internal Technical Assistance	
Western prairie fringed Orchid (Platanthera praeclara)	2	4223	Determine the importance of vegetative reproduction and the mycotrophic state.	Ongoing Not Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, Any private, academic, or agency research entity, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research	Graduate Student	Accomplished through task 432.
Western prairie fringed Orchid (Platanthera praeclara)	3	423	Determine role of competitors.	Unknown			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	In conjunction with other research. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	3	424	Conduct a population viability analysis for the species.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Universities, Any private, academic, or agency research entity, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	431	Monitor status and trends of all populations.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State Department of Agriculture, State agencies	Research: Population Surveys	Contract	Task Duration: To and beyond recovery. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	432	Conduct demographic monitoring.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, State agencies	Research: Demographic Studies	Species Expert	Task Duration: To and beyond recovery. Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	2	433	Establish consistent monitoring criteria.	Ongoing Current	FY 2005		National Park Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Other: Information and Education	Graduate Student	

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Western prairie fringed Orchid (Platanthera praeclara)	3	51	Search historical sites.	Unknown			U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Natural Resources Conservation Service , State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	3	52	Identify and search potential new sites.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Natural Resources Conservation Service , State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Research: Population Surveys	Contract	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.
Western prairie fringed Orchid (Platanthera praeclara)	3	61	Develop modular educational materials for the public.	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, U.S. Fish and Wildlife Service, Refuge Division, Environmental Protection Agency , State Department of Agriculture, State agencies, U.S. Fish and Wildlife Service, Division of Refuge Management, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost estimates: FY2000 Cost estimates actually covers FY2000-2005.

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Western prairie fringed Orchid (Platanthera praeclara)	3	62	Distribute educational module to appropriate audiences.	Not Started			U.S. Department of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, Environmental Protection Agency, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Work type not yet selected	Labor type not yet selected	Cost of printing existing materials.
Western prairie fringed Orchid (Platanthera praeclara)	3	63	Conduct education and training programs.	Ongoing Current	FY 1995 - FY 1999		U.S. Department of Agriculture, U.S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Universities, Environmental Protection Agency, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Other: Information and Education	Internal Administrative	
Western prairie fringed Orchid (Platanthera praeclara)	3	64	Assure publication of research results.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Other: Administration	Internal Technical Assistance	In conjunction with other research.

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Western prairie fringed Orchid (Platanthera praeclara)	3	65	Identify a central repository for information about P. praeclara.	Partially Complete	FY 2000 - FY 2004		International Crane Foundation, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Forest Service, The Nature Conservancy, Universities, State agencies, U.S. Fish and Wildlife Service, Office of Endangered Species	Other	Internal Technical Assistance	Conducted with existing funds.
Western prairie fringed Orchid (Platanthera praeclara)	3	66	Provide opportunities for local members of the public to be actively involved in recovery actions.	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service, Office of Endangered Species	Other: Information and Education	Species Expert	In conjunction with other research.